

IN THE CLAIMS

The following claims replace all previous listings:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)

9. (Currently Amended) A ~~The liquid ejecting head as defined in claim 8, having:~~
at least one heat-energy evolving element constructed in a pattern with at least one bend
and that evolves heat energy to eject liquid, said bend dividing said heat-energy evolving
element into at least two heat evolving regions;
conductors connected to said heat evolving regions and to said bend; and
a nozzle through which the liquid is ejected associated with each heat-energy evolving
element,

wherein,

said conductor connected to said bend is a distance D_1 from said bend and a distance D_2
from said other conductors connected to said heat evolving regions, where D_1 is 0.08 to 0.10
times the distance of D_2 the heat-energy evolving element has other conductors connected thereto
on the an opposite side beyond the main part from the conductors, the distance from the

~~turnaround line of the zigzag pattern to the an edge of the conductor is 0.08 to 0.10 times the distance between said conductor and said other conductors.~~

10. (Cancelled)

11. (Cancelled)

12. (Currently Amended) ~~The~~ A liquid ejecting head ~~as defined in claim 11~~ having:
at least one heat-energy evolving element constructed in a pattern with at least one U-
shape (in plan view) and that evolves heat energy to eject liquid, said U-shape dividing said heat-
energy evolving element into at least two heat evolving regions;

conductors connected to said heat evolving regions and to said U-shape; and
a nozzle through which liquid is ejected associated with each heat-energy evolving
element,

wherein,

said conductor connected to said U-Shape is a distance D_1 from said U-shape and a
distance D_2 from said other conductors connected to said heat evolving regions, where D_1 is 0.08
to 0.10 times the distance of D_2 the heat energy evolving element has other conductors connected
thereto on the an opposite side beyond the main part from the conductors, the a distance from
the turnaround line of the approximately U-shaped parts to the edge of the conductor is 0.08 to
0.10 times the distance between said conductor and said other conductors.

13. (Cancelled)

14. (Cancelled)

15. (Currently Amended) A ~~The~~ liquid ejecting head ~~as defined in claim 13 or 14,~~
having:

at least one heat-energy evolving element constructed in a pattern with at least one slit and that evolves heat energy to eject liquid, said slit dividing said heat-energy evolving element into at least two heat evolving regions;

conductors connected to said heat evolving regions and to said slit; and

a nozzle through which liquid is ejected associated with each heat-energy evolving element,

wherein,

said conductor connected to said slit is a distance D_1 from said slit and a distance D_2 from said other conductors connected to said heat evolving regions, where D_1 is 0.08 to 0.10 times the distance of D_2 the heat energy evolving element has other conductors connected thereto on the opposite side beyond the main part from the conductors, the distance from the end of slit to the edge of the conductor is 0.08 to 0.10 times the distance between said conductor and said other conductors.

16. (Currently Amended) A liquid ejecting apparatus having;

at least one heat-energy evolving element elements constructed in a pattern with at least one bend and that evolves evolve heat energy to eject liquid, said bend dividing said heat-energy evolving element into at least two heat evolving regions; , wherein said heat energy evolving elements are constructed of an integral substrate, assume a zigzag pattern (in plan view);

and have ~~conductors~~ conductors connected thereto to said heat evolving regions and to said bend -at the turnaround part of the zigzag pattern such that the main part evolving heat energy to eject liquid is divided into at least two parts by the turnaround part of the zigzag pattern; ;

~~each of the elements has thereon a nozzle through which liquid is ejected~~ associated with each heat-energy evolving element; ~~said liquid ejecting apparatus further having; and~~

a controller including a primary control means which causes said heat-energy evolving element ~~elements~~ to evolve heat energy, thereby ejecting liquid on said heat-energy evolving ~~ejecting~~ element through said nozzle; and a secondary control means which, upon control of a ~~current flowing through at least the two divided main parts to evolve heat energy from the conductor connected to the turnaround part of the zigzag pattern, causes a difference in heat energy characteristics amongst at least said the two major parts to evolve heat energy differing in heat energy characteristics and to change~~ changes the distribution of heat energy imparted to the liquid on by said heat-energy evolving element, thereby controlling the direction of ejection of ~~the liquid ejected from said nozzle.~~

17. (Currently Amended) A liquid ejecting apparatus having;

at least one heat-energy evolving element ~~elements~~ constructed in a pattern with at least one U-shape and that evolves ~~evolve~~ heat energy to eject liquid, said U-shape dividing said heat-energy evolving element into at least two heat evolving regions; wherein said heat-energy evolving elements are constructed of an integral substrate, comprise an approximately U-shaped part (in plan view), and

conductors have conductors connected to said heat evolving regions thereto at the and to said U-shape; turnaround part of the approximately U shaped part such that the main part evolving heat energy to eject liquid is divided into at least two parts by the turnaround part of the approximately U-shaped part,

~~each of the elements has thereon a nozzle through which liquid is ejected~~ associated with each heat-energy evolving element; and

~~a controller including said liquid ejecting apparatus further having a primary control means which causes said heat-energy evolving element ~~elements~~ to evolve heat energy, thereby ejecting the liquid on said heat-energy evolving ~~ejecting~~ element through said nozzle; and a secondary control means which, upon control of a current flowing through at least the two divided main parts causes a difference in heat energy characteristics to evolve heat energy from the conductor connected to the turnaround part of the approximately U-shaped pattern, causes amongst at least said the two major parts to evolve heat energy differing in heat energy characteristics and to change changes the distribution of heat energy imparted to the liquid by on said heat-energy evolving element, thereby controlling the direction of ~~ejection of~~ the liquid ejected from said nozzle.~~

18. (Currently Amended) A liquid ejecting apparatus having:
~~at least one heat-energy evolving element ~~elements~~ constructed in a pattern with at least one slit and that evolves ~~evolve~~ heat energy to eject liquid, said slit dividing said heat-energy evolving element into at least two heat evolving regions; wherein said heat-energy evolving elements are constructed of an integral substrate and divided into at least two main parts to evolve heat energy to eject liquid by at least one slit formed in at least part of the substrate, conductors connected to said heat evolving regions and to said slit; having conductors connected thereto at the part where the two main parts are joined together, each of the elements has thereon a nozzle through which liquid is ejected associated with each heat-energy evolving element; and~~

~~a controller including said liquid ejecting apparatus further having a primary control means which causes said heat-energy evolving element ~~elements~~ to evolve heat energy, thereby ejecting liquid on said heat-energy ~~ejecting~~ evolving element through said nozzle; and a~~

secondary control means which causes at least said ~~the two major~~ parts to evolve heat energy differing in heat energy characteristics ~~and thereby to change~~ changing the distribution of heat energy imparted to the liquid on said heat-energy evolving element, ~~thereby~~ and controlling the direction ~~of ejection of~~ the liquid ejected from said nozzle.

19. (Cancelled)

20. (New) A liquid ejecting head having:

at least one heat-energy evolving element having at least two heat evolving regions that evolve heat energy to eject a liquid;

at least three conductors connected to said heat evolving regions;

a nozzle through which liquid is ejected by the heat energy associated with each heat-energy evolving element,

wherein,

one of the conductors connected to said heat evolving region is located a distance D_1 from said heat evolving region and a distance D_2 from said other conductors connected to said heat evolving regions, where D_1 is 0.08 to 0.10 times the distance of D_2 .

21. (New) A liquid ejecting head comprising:

at least one nozzle through which liquid can be ejected;

a heat-energy evolving element associated with each said nozzle, said heat-energy evolving element comprising a pattern including at least two heat evolving regions; and

at least three conductors connected to said heat-energy evolving element so that said heat evolving regions can be separately energized,

wherein,

said heat-energy evolving regions can be separately or jointly energized by selective

application of electrical power via said conductors.

21. (New) The liquid ejecting head of claim 20, wherein said heat-energy evolving element regions can be selectively differentially energized.

22. (New) The liquid ejecting head of claim 20, comprising a plurality of said nozzles and a plurality of said heat-energy evolving elements.

23. (New) The liquid ejecting head of claim 20 wherein said pattern generally defines a U-shape, and legs of said U-shape comprise said heat evolving regions.